

# Maryland HIV/AIDS Quarterly Update

Second Quarter 2014

Data reported through June 30, 2014



Center for HIV Surveillance, Epidemiology and Evaluation  
Infectious Disease Bureau  
Prevention and Health Promotion Administration  
Maryland Department of Health and Mental Hygiene  
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## Section I – Background Information

### HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in COMAR 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing DHMH Form 1140. Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the State Health Department by mailing DHMH Form 1140. Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report

patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing DHMH Form 1140. Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the State Health Department to establish electronic reporting.

- Laboratory directors are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland State Health Department, by mailing DHMH Form 4492. Laboratories are encouraged to contact the State Health Department to establish electronic reporting.

Reporting forms and instructions are available on our website:

<http://phpa.dhmdh.maryland.gov/oideor/chse/sitepages/reporting-material.aspx>

### **For Assistance with HIV/AIDS Reporting**

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Health Department, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health and Mental Hygiene at 410-767-5061.

### **Limitations in the HIV/AIDS Data**

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis. Nationally, it has been estimated that 18% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. In addition, many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. Caution should be exercised in using the number of living HIV cases without AIDS and in interpreting trends in the number of reported HIV diagnoses. Furthermore, laboratory data are only available for cases receiving medical care, usually only at facilities in Maryland, and only includes test results that have been reported to the health department.

### **Stages of a Case of HIV/AIDS**

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

For surveillance purposes, a case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, or years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would have been many years after the initial HIV infection [time point 1].

### **Changes in Case Terminology**

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both new and old cases. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (the end of the year) are used to generate the number of diagnoses during the prior years. This one year lag allows for delays in reporting and time to complete investigations. For example, the Reported HIV Diagnoses for 7/1/2012-6/30/2013 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 7/1/2012-6/30/2013, as reported by name through 6/30/2013.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the Reported HIV Diagnoses each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 6/30/2013 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 6/30/2013 as reported by name through 6/30/2014.

### **Laboratory Data**

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4 cells per microliter of blood. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured at least 2-3 times per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" initially after diagnosis or in following years that they remain "in care".

### **Sources of Data**

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health and Mental Hygiene's Enhanced HIV/AIDS Reporting System (eHARS), June 30, 2014.

Population data by sex, age, and race are from the July 1, 2013 U.S. Census Estimates. Due to estimation limitations, some population totals may not equal the sum of its components.

## **Tabulation of Column Totals**

Figures in tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

## **Data Suppression**

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

## **On-line Mapping Tool**

Please visit the Maryland Department of Health and Mental Hygiene's website at <http://phpa.dhmh.maryland.gov/oideor/chse> to create your own maps of adult/adolescent HIV rates by jurisdiction of residence, subset them by sex at birth and race/ethnicity, zoom in to the jurisdiction level, plot the locations of HIV testing sites, and print out your custom map.

## **Glossary of Terms**

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of 6/30/2013.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of 6/30/2013.

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 6/30/2013.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at the later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Median:** The measure of central location which divides a set of data into two equal parts.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to 6/30/2013.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to 6/30/2013 of 400 copies per milliliter or greater.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to 6/30/2013 of less than 400 copies per milliliter.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2013.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to 6/30/2013.

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to 6/30/2013.

**Suggested Citation:** Maryland HIV/AIDS Quarterly Update, Second Quarter 2014. Baltimore, MD: Center for HIV Surveillance, Epidemiology and Evaluation, Infectious Disease Bureau, Prevention and Health Promotion Administration, Maryland Department of Health and Mental Hygiene. June 2014.

## Section II – Adult/Adolescent Cases by Jurisdiction

**Table 1 – Adult/Adolescent HIV Diagnoses during 7/1/2012-6/30/2013, First CD4 Test Result, Percent Linked to Care, and Percent Late Diagnosis, by Jurisdiction, Reported through 6/30/2014**

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported HIV Diagnoses							
		No.	% of Total	Rate	First CD4 Test Result			% Linked to Care	% Late HIV Diagnosis
					No. with Test	% with Test	Median Count		
Allegany	64,412	3	0.2%	4.7	***	***	***	***	***
Anne Arundel	464,062	55	3.7%	11.9	43	78.2%	336	72.7%	27.3%
Baltimore City	523,113	398	26.5%	76.1	327	82.2%	332	78.6%	30.7%
Baltimore	694,901	179	11.9%	25.8	152	84.9%	371	84.9%	27.9%
Calvert	75,485	6	0.4%	7.9	5	83.3%	568	83.3%	33.3%
Caroline	27,080	4	0.3%	14.8	***	***	***	***	***
Carroll	141,768	3	0.2%	2.1	***	***	***	***	***
Cecil	84,917	3	0.2%	3.5	***	***	***	***	***
Charles	126,399	41	2.7%	32.4	35	85.4%	398	68.3%	26.8%
Dorchester	27,623	6	0.4%	21.7	6	100.0%	361	100.0%	66.7%
Frederick	200,514	21	1.4%	10.5	20	95.2%	462	81.0%	38.1%
Garrett	25,790	1	0.1%	3.9	***	***	***	***	***
Harford	208,971	31	2.1%	14.8	29	93.5%	305	77.4%	45.2%
Howard	252,141	31	2.1%	12.3	29	93.5%	241	90.3%	51.6%
Kent	17,527	2	0.1%	11.4	***	***	***	***	***
Montgomery	843,834	227	15.1%	26.9	183	80.6%	328	76.7%	34.8%
Prince George's	742,415	424	28.2%	57.1	339	80.0%	347	74.8%	32.5%
Queen Anne's	40,861	1	0.1%	2.4	***	***	***	***	***
Saint Mary's	89,811	11	0.7%	12.2	7	63.6%	360	54.5%	18.2%
Somerset	23,048	3	0.2%	13.0	***	***	***	***	***
Talbot	32,904	2	0.1%	6.1	***	***	***	***	***
Washington	125,996	11	0.7%	8.7	11	100.0%	467	90.9%	36.4%
Wicomico	84,872	10	0.7%	11.8	10	100.0%	131	100.0%	70.0%
Worcester	45,144	3	0.2%	6.6	***	***	***	***	***
Corrections	--	27	1.8%	--	24	88.9%	420	85.2%	18.5%
TOTAL	4,963,586	1,503	100.0%	30.3	1,244	82.8%	348	78.2%	32.4%

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Reported HIV Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

**Jurisdiction of Residence at HIV Diagnosis:** Jurisdiction of residence at time of initial HIV diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2013.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**First CD4 Test Result:** First reported CD4 test result obtained within 12 months following initial HIV diagnosis.

**Median Count (First CD4):** Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

**Percent Linked to Care:** Percent of adult/adolescent reported HIV diagnoses with a CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

**Percent Late HIV Diagnosis (for HIV diagnoses):** Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.



**Table 2 – Adult/Adolescent AIDS Diagnoses during 7/1/2012-6/30/2013, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction, Reported through 6/30/2014**

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	Population Age 13+	Adult/Adolescent Reported AIDS Diagnoses				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Allegany	64,412	2	0.2%	3.1	***	***
Anne Arundel	464,062	42	4.7%	9.1	4.3	40.5%
Baltimore City	523,113	301	33.5%	57.5	4.4	38.5%
Baltimore	694,901	112	12.5%	16.1	4.3	49.1%
Calvert	75,485	2	0.2%	2.6	***	***
Caroline	27,080	2	0.2%	7.4	***	***
Carroll	141,768	2	0.2%	1.4	***	***
Cecil	84,917	4	0.4%	4.7	***	***
Charles	126,399	14	1.6%	11.1	2.1	71.4%
Dorchester	27,623	8	0.9%	29.0	4.9	50.0%
Frederick	200,514	8	0.9%	4.0	2.7	62.5%
Garrett	25,790	0	0.0%	0.0	--	--
Harford	208,971	14	1.6%	6.7	1.9	85.7%
Howard	252,141	25	2.8%	9.9	1.3	68.0%
Kent	17,527	1	0.1%	5.7	***	***
Montgomery	843,834	109	12.1%	12.9	2.2	69.7%
Prince George's	742,415	215	23.9%	29.0	3.1	60.5%
Queen Anne's	40,861	0	0.0%	0.0	--	--
Saint Mary's	89,811	3	0.3%	3.3	***	***
Somerset	23,048	1	0.1%	4.3	***	***
Talbot	32,904	1	0.1%	3.0	***	***
Washington	125,996	7	0.8%	5.6	4.7	57.1%
Wicomico	84,872	8	0.9%	9.4	2.4	75.0%
Worcester	45,144	2	0.2%	4.4	***	***
Corrections	--	15	1.7%	--	5.3	26.7%
TOTAL	4,963,586	898	100.0%	18.1	3.6	52.3%

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Reported AIDS Diagnoses:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

**Jurisdiction of Residence at AIDS Diagnosis:** Jurisdiction of residence at time of initial AIDS diagnosis.

**Population Age 13+:** Population age 13 years or older, estimate for 7/1/2013.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Mean Years from HIV Diagnosis (to AIDS Diagnosis):** Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

**Percent Late HIV Diagnosis (for AIDS diagnoses):** Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

**Table 3 – Adult/Adolescent HIV Cases Alive on 6/30/2013, by Jurisdiction, Reported through 6/30/2014**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Population Age 13+	Adult/Adolescent Living HIV Cases without AIDS			Adult/Adolescent Living HIV Cases with AIDS			Adult/Adolescent Total Living HIV Cases			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
Allegany	64,412	38	0.3%	59.0	33	0.2%	51.2	71	0.2%	110.2	907
Anne Arundel	464,062	484	3.6%	104.3	646	3.9%	139.2	1,130	3.8%	243.5	410
Baltimore City	523,113	5,289	38.9%	1,011.1	6,688	40.5%	1,278.5	11,977	39.8%	2,289.6	43
Baltimore	694,901	1,346	9.9%	193.7	1,639	9.9%	235.9	2,985	9.9%	429.6	232
Calvert	75,485	48	0.4%	63.6	52	0.3%	68.9	100	0.3%	132.5	754
Caroline	27,080	27	0.2%	99.7	32	0.2%	118.2	59	0.2%	217.9	458
Carroll	141,768	55	0.4%	38.8	64	0.4%	45.1	119	0.4%	83.9	1,191
Cecil	84,917	46	0.3%	54.2	60	0.4%	70.7	106	0.4%	124.8	801
Charles	126,399	197	1.4%	155.9	168	1.0%	132.9	365	1.2%	288.8	346
Dorchester	27,623	37	0.3%	133.9	77	0.5%	278.8	114	0.4%	412.7	242
Frederick	200,514	157	1.2%	78.3	151	0.9%	75.3	308	1.0%	153.6	651
Garrett	25,790	4	0.0%	15.5	4	0.0%	15.5	8	0.0%	31.0	3,223
Harford	208,971	171	1.3%	81.8	211	1.3%	101.0	382	1.3%	182.8	547
Howard	252,141	204	1.5%	80.9	237	1.4%	94.0	441	1.5%	174.9	571
Kent	17,527	17	0.1%	97.0	19	0.1%	108.4	36	0.1%	205.4	486
Montgomery	843,834	1,638	12.0%	194.1	1,864	11.3%	220.9	3,502	11.6%	415.0	240
Prince George's	742,415	2,929	21.5%	394.5	3,240	19.6%	436.4	6,169	20.5%	830.9	120
Queen Anne's	40,861	15	0.1%	36.7	32	0.2%	78.3	47	0.2%	115.0	869
Saint Mary's	89,811	53	0.4%	59.0	60	0.4%	66.8	113	0.4%	125.8	794
Somerset	23,048	20	0.1%	86.8	30	0.2%	130.2	50	0.2%	216.9	460
Talbot	32,904	22	0.2%	66.9	32	0.2%	97.3	54	0.2%	164.1	609
Washington	125,996	161	1.2%	127.8	140	0.8%	111.1	301	1.0%	238.9	418
Wicomico	84,872	94	0.7%	110.8	106	0.6%	124.9	200	0.7%	235.6	424
Worcester	45,144	31	0.2%	68.7	46	0.3%	101.9	77	0.3%	170.6	586
Corrections	--	517	3.8%	--	892	5.4%	--	1,409	4.7%	--	--
TOTAL	4,963,586	13,600	100.0%	274.0	16,523	100.0%	332.9	30,123	100.0%	606.9	164

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Population Age 13+:** Population greater than or equal to 13 years old, estimate for 7/1/2013.

**Adult/Adolescent Living HIV Cases without AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of 6/30/2013.

**Adult/Adolescent Living HIV Cases with AIDS:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of 6/30/2013.

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 6/30/2013.

**Rate:** A proportion used to represent risk for disease within a given population. It is calculated by dividing the number of diagnoses by the number of persons at risk (population estimate).

**Ratio (1 in X):** Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.



**Table 4 – CD4 Test Results for Adult/Adolescent HIV Cases Alive on 6/30/2013, Reported through 6/30/2014**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Allegany	71	49	69.0%	618	8.2%	8.2%	20.4%	63.3%
Anne Arundel	1,130	639	56.5%	505	12.7%	18.3%	18.8%	50.2%
Baltimore City	11,977	7,267	60.7%	492	14.8%	17.0%	19.5%	48.8%
Baltimore	2,985	1,798	60.2%	496	14.0%	17.2%	19.0%	49.8%
Calvert	100	64	64.0%	565	10.9%	14.1%	9.4%	65.6%
Caroline	59	38	64.4%	577	10.5%	13.2%	13.2%	63.2%
Carroll	119	53	44.5%	521	15.1%	7.5%	22.6%	54.7%
Cecil	106	55	51.9%	467	5.5%	23.6%	21.8%	49.1%
Charles	365	231	63.3%	539	10.8%	11.7%	23.4%	54.1%
Dorchester	114	72	63.2%	513	12.5%	13.9%	22.2%	51.4%
Frederick	308	167	54.2%	514	10.8%	13.2%	22.8%	53.3%
Garrett	8	***	***	***	***	***	***	***
Harford	382	213	55.8%	516	11.7%	17.4%	17.8%	53.1%
Howard	441	252	57.1%	546	15.1%	11.5%	17.1%	56.3%
Kent	36	***	***	***	***	***	***	***
Montgomery	3,502	1,706	48.7%	512	11.4%	15.4%	20.9%	52.2%
Prince George's	6,169	3,216	52.1%	482	15.4%	16.1%	21.1%	47.3%
Queen Anne's	47	29	61.7%	449	10.3%	24.1%	27.6%	37.9%
Saint Mary's	113	74	65.5%	513	12.2%	12.2%	20.3%	55.4%
Somerset	50	35	70.0%	611	5.7%	5.7%	22.9%	65.7%
Talbot	54	41	75.9%	490	12.2%	29.3%	9.8%	48.8%
Washington	301	158	52.5%	556	9.5%	10.8%	18.4%	61.4%
Wicomico	200	107	53.5%	457	19.6%	15.9%	20.6%	43.9%
Worcester	77	48	62.3%	495	14.6%	12.5%	22.9%	50.0%
Corrections	1,409	841	59.7%	440	17.5%	19.1%	22.1%	41.3%
TOTAL	30,123	17,176	57.0%	494	14.2%	16.5%	20.0%	49.3%

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 6/30/2013.

**Recent CD4 Test Result:** The most recent CD4 test result reported in the 12 months prior to 6/30/2013.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Median Count (Recent CD4):** Median CD4 count (cells per microliter) of the most recent CD4 test result reported in the 12 months prior to 6/30/2013.

**CD4 Result Distribution (<200, 200-349, 350-499, 500+):** Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

**Table 5 – Viral Load Test Results for Adult/Adolescent HIV Cases Alive on 6/30/2013, by Jurisdiction, Reported through 6/30/2014**

JURISDICTION OF RESIDENCE AT DIAGNOSIS	Adult/Adolescent Total Living HIV Cases				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Allegany	71	49	69.0%	75.5%	17,714
Anne Arundel	1,130	564	49.9%	73.9%	20,600
Baltimore City	11,977	5,992	50.0%	69.2%	16,809
Baltimore	2,985	1,568	52.5%	72.2%	22,500
Calvert	100	63	63.0%	85.7%	10,900
Caroline	59	40	67.8%	77.5%	34,470
Carroll	119	42	35.3%	69.0%	30,148
Cecil	106	47	44.3%	89.4%	2,445
Charles	365	236	64.7%	75.4%	8,080
Dorchester	114	68	59.6%	83.8%	54,530
Frederick	308	163	52.9%	77.9%	20,794
Garrett	8	***	***	***	***
Harford	382	195	51.0%	74.9%	17,573
Howard	441	234	53.1%	76.9%	34,585
Kent	36	***	***	***	***
Montgomery	3,502	1,750	50.0%	82.3%	11,191
Prince George's	6,169	3,187	51.7%	75.2%	17,283
Queen Anne's	47	29	61.7%	82.8%	134,710
Saint Mary's	113	69	61.1%	76.8%	23,485
Somerset	50	34	68.0%	67.6%	15,420
Talbot	54	37	68.5%	73.0%	8,808
Washington	301	149	49.5%	88.6%	41,270
Wicomico	200	106	53.0%	74.5%	20,200
Worcester	77	45	58.4%	91.1%	42,175
Corrections	1,409	629	44.6%	63.8%	11,365
TOTAL	30,123	15,319	50.9%	73.2%	17,597

\*\*\* Data withheld due to low population counts and/or case counts

**Adult/Adolescent Total Living HIV Cases:** Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of 6/30/2013.

**Jurisdiction of Residence at Diagnosis:** Jurisdiction of residence at later of time of initial HIV diagnosis or time of initial AIDS diagnosis.

**Recent Viral Load Test Result:** The most recent viral load test result reported in the 12 months prior to 6/30/2013.

**Percent Suppressed (Viral Load):** Percent of adult/adolescent total living HIV cases with a most recent viral load reported in the 12 months prior to 6/30/2013 of less than 400 copies per milliliter.

**Median Unsuppressed (Viral Load):** Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with a most recent viral load test result reported in the 12 months prior to 6/30/2013 of 400 copies per milliliter or greater.